

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 Claim 1 (canceled)
- 2
- 1 Claim 2 (previously amended) A method according to claim 8, further comprising the
- 2 step of generating said UI form definition based upon a number of device capabilities for
- 3 said client device.
- 4
- 1 Claim 3 (original): A method according to claim 2, further comprising the step of
- 2 receiving, at said UI server, data representing said number of device capabilities.
- 3
- 1 Claim 4 (original): A method according to claim 2, wherein said generating step
- 2 generates said UI form based upon at least one native UI control stored locally at said
- 3 client device.
- 4
- 1 Claim 5 (original): A method according to claim 4, wherein said at least one native UI
- 2 control is associated with an operating system for said client device.
- 3
- 1 Claim 6 (previously amended): A method according to claim 8, further comprising the
- 2 steps of:
- 3 receiving an action request representing a manipulation of said UI form by a user
- 4 of said client device; and
- 5 subsequently instructing said client device to render a new UI form in response to
- 6 said action request.
- 7

1 Claim 7 (previously amended): A method according to claim 8, further comprising the
2 steps of:

3 receiving an action request representing a manipulation of said UI form by a user
4 of said client device; and
5 subsequently instructing said client device to update said UI form in response to
6 said action request.

7
1 Claim 8 (currently amended): A data processing method comprising:

2 executing, at a user interface (UI) server, a server-based application configured
3 to process source data items;

4 retrieving a UI form definition stored at said UI server, said UI form definition
5 specifying characteristics of a UI form for said server-based application;

6 instructing a client device to render a particular UI form of a client-resident
7 intermediate UI corresponding to said UI form definition, including instructing the client
8 device to supplement a skeletal UI stored in a first memory location with one or more
9 icons, labels or menu items, or combinations thereof, stored in a second memory
10 location;

11 transmitting, from said UI server, a number of source data items for population in
12 said UI form, said number of source data items being related to said server-based
13 application;

14 receiving a command from said client device, said command being indicative of
15 an offline action performed by said client device; and
16 said UI server processing said command for execution by said server-based application.

17
1 Claim 9 (previously amended): A method according to claim 8, further comprising the
2 step of maintaining a shadow cache at said UI server, said shadow cache including data
3 indicative of source data items associated with said client device.

1 Claim 10 (original): A method according to claim 9, further comprising the steps of:
2 said UI server receiving information representing new, deleted, or modified
3 source data items; and
4 said UI server updating said shadow cache to reflect said new, deleted, or
5 modified source data items.

6
1 Claim 11 (original): A method according to claim 9, wherein said shadow cache
2 includes a list of source data items transmitted from said UI server to said client device.

3
1 Claim 12 (original): A method according to claim 9, wherein said shadow cache
2 includes a list of source data items saved locally by said client device.

3
1 Claim 13 (previously amended): A method according to claim 8, wherein said
2 transmitting step is performed in response to a manipulation of said UI form.

3
1 Claim 14 (previously amended): A method according to claim 8, wherein said retrieving
2 step is performed by said UI server in response to a device identifier received from said
3 client device.

4
1 Claim 15 (previously amended): A method according to claim 8, wherein:
2 said UI server has access to a total number of source data items associated with
3 said UI form; and
4 said transmitting step initially transmits a first portion of said total number of
5 source data items to said client device.

6
1 Claim 16 (original): A method according to claim 15, further comprising the steps of:
2 said UI server subsequently receiving a request for additional source data items;
3 and
4 said UI server transmitting a subsequent portion of said total number of source
5 data items to said client device in response to said request.

1 Claim 17 (original): A method according to claim 16, wherein said UI server receives
2 said request from said client device in response to a manipulation of said UI form.

1 Claim 18 (previously amended): A method according to claim 8, further comprising the
2 steps of:

3 said UI server receiving information representing new, deleted, or modified
4 source data items; and

5 said UI server transmitting, to said client device, push data representing said
6 new, deleted, or modified source data items.

1 Claim 19 (original): A method according to claim 18, further comprising the step of said
2 UI server sending, to said client device, a push notification corresponding to said push
3 data.

1 Claim 20 (currently amended): A data processing method comprising:

2 receiving, at a user interface (UI) server, a number of device capabilities for a
3 client device;

4 generating a UI form definition based upon said number of device capabilities,
5 said UI form definition specifying characteristics of a UI form for a server-based
6 application maintained by said UI server;

7 said UI server transmitting data indicative of said UI form definition to said client
8 device; and

9 said UI server sending a number of source data items to said client device, said
10 number of source data items being related to said UI form, and

11 wherein said number of source data items comprises a smaller subset than a
12 total number of source data items related to said server-based application, and wherein
13 further subsets of said total number of source data items are downloadable based upon
14 execution of one or more client-side controls.

1 Claim 21 (original): A method according to claim 20, further comprising the step of
2 specifying a command script corresponding to a manipulation of a UI control contained
3 in said UI form, said command script being configured for execution by said client
4 device.

5
1 Claim 22 (original): A method according to claim 20, further comprising the step of
2 executing said server-based application at said UI server.

3
1 Claim 23 (original): A method according to claim 20, further comprising the step of
2 storing said UI form definition at said UI server.

3
1 Claim 24 (original): A method according to claim 20, further comprising the step of
2 instructing said client device to render said UI form.

3
1 Claim 25 (original): A method according to claim 24, wherein said instructing step
2 identifies said UI form definition.

3
1 Claim 26 (original): A method according to claim 20, wherein said generating step
2 generates said UI form based upon at least one native UI control stored locally at said
3 client device.

4
1 Claim 27 (original): A method according to claim 26, wherein said at least one native
2 UI control is associated with an operating system for said client device.

3
1 Claim 28 (original): A method according to claim 20, further comprising the steps of:
2 receiving an action request representing a manipulation of said UI form by a user
3 of said client device; and
4 subsequently instructing said client device to render a new UI form in response to
5 said action request.

6

1 Claim 29 (original): A method according to claim 20, further comprising the steps of:
2 receiving an action request representing a manipulation of said UI form by a user
3 of said client device; and
4 subsequently instructing said client device to update said UI form in response to
5 said action request.
6

1 Claim 30 (original): A method according to claim 20, further comprising the step of
2 maintaining a shadow cache at said UI server, said shadow cache including source data
3 items associated with said client device.
4

1 Claim 31 (original): A method according to claim 30, further comprising the steps of:
2 said UI server receiving information representing new, deleted, or modified
3 source data items; and
4 said UI server updating said shadow cache to reflect said new, deleted, or
5 modified source data items.
6

1 Claim 32 (original): A method according to claim 30, wherein said shadow cache
2 includes a list of source data items transmitted from said UI server to said client device.
3

1 Claim 33 (original): A method according to claim 30, wherein said shadow cache
2 includes a list of source data items saved locally by said client device.
3

1 Claim 34 (original): A method according to claim 20, wherein:
2 said UI server has access to a total number of source data items associated with
3 said UI form; and
4 said sending step initially sends a first portion of said total number of source data
5 items to said client device.
6

1 Claim 35 (original): A method according to claim 34, further comprising the steps of:
2 said UI server subsequently receiving a request for additional source data items;
3 and
4 said UI server sending a second portion of said total number of source data items
5 to said client device in response to said request.
6

1 Claim 36 (original): A method according to claim 35, wherein said UI server receives
2 said request from said client device in response to a manipulation of said UI form.
3

1 Claim 37 (currently amended): A data processing method comprising:
2 receiving a device identifier that identifies a client device;
3 receiving a request for a server-based application;
4 transmitting a UI form identifier to said client device in response to said device
5 identifier, said UI form identifier representing at least one UI form definition that
6 specifies characteristics of at least one particular form of a client resident intermediate
7 UI form for said server-based and client-side controlled application, and wherein based
8 on said UI form identifier said client device supplements a skeletal UI stored in a first
9 memory location with one or more icons, labels or menu items, or combinations thereof,
10 stored in a second memory location; and
11 sending a number of source data items to said client device, said number of
12 source data items being configured for display in connection with said at least one
13 particular UI form.
14

1 Claim 38 (original): A method according to claim 37, wherein said at least one UI form
2 definition is based upon a number of device capabilities for said client device.
3

1 Claim 39 (original): A method according to claim 38, further comprising the steps of:
2 receiving data representing said number of device capabilities; and
3 generating said at least one UI form definition based upon said number of device
4 capabilities.

1 Claim 40 (original): A method according to claim 39, further comprising the step of
2 storing said at least one UI form definition.
3

1 Claim 41 (original): A method according to claim 37, wherein said at least one UI form
2 definition specifies at least one native UI control stored locally at said client device.
3

1 Claim 42 (original): A method according to claim 37, further comprising the step of
2 executing said server-based application in response to said request.
3

1 Claim 43 (original): A method according to claim 37, wherein said number of source
2 data items represent a portion of a larger amount of related data available at said UI
3 server.
4

1 Claim 44 (currently amended): A server architecture for use with a user interface (UI)
2 server capable of communicating with a client device, said server architecture
3 comprising:

4 a receive module configured to receive a device identifier that identifies a client
5 device, and to receive a request for a server-based application;

6 a send module configured to send a UI form identifier to said client device in
7 response to said device identifier, said UI form identifier representing at least one UI
8 form definition that specifies characteristics of a UI form for said server-based
9 application; and

10 a data management module configured to retrieve a number of source data items
11 for display in connection with said UI form, and

12 wherein said number of source data items comprises a smaller subset than a total
13 number of source data items related to said server-based application, and wherein
14 further subsets of said total number of source data items are downloadable based upon
15 execution of one or more client-side controls.
16

1 Claim 45 (original): A server architecture according to claim 44, further comprising an
2 executable module corresponding to said server-based application, said executable
3 module being activated in response to said request.

4
1 Claim 46 (original): A server architecture according to claim 44, wherein said send
2 module is further configured to send said number of source data items to said client
3 device.

4
1 Claim 47 (original): A server architecture according to claim 44, further comprising a
2 shadow cache that stores source data items associated with said client device.

3
1 Claim 48 (original): A server architecture according to claim 47, wherein:
2 said receive module is further configured to receive information representing
3 new, deleted, or modified source data items; and
4 said data management module is further configured to update said shadow cache to
5 reflect said new, deleted, or modified source data items.

6
1 Claim 49 (original): A server architecture according to claim 44, wherein:
2 said data management module has access to a total number of source data
3 items associated with said UI form; and
4 said send module is further configured to send a first portion of said total number of
5 source data items to said client device.

6
1 Claim 50 (original): A server architecture according to claim 49, wherein:
2 said receive module is further configured to receive a second request for
3 additional source data items;
4 said data management module is further configured to retrieve a second portion
5 of said total number of source data items for display in connection with said UI form;
6 and

7 said send module is further configured to send said second portion of said total number
8 of source data items to said client device.

9
1 Claim 51 (original): A server architecture according to claim 50, wherein said receive
2 module receives said second request in response to a manipulation of said UI form.

3
1 Claim 52 (original): A server architecture according to claim 44, further comprising a UI
2 formatting module configured to generate said UI form definition based upon a number
3 of device capabilities for said client device.

4
1 Claim 53 (original): A server architecture according to claim 52, wherein said receive
2 module is further configured to receive said number of device capabilities from said
3 client device.

4
1 Claim 54 (original): A server architecture according to claim 52, wherein said send
2 module is further configured to send said UI form definition to said client device.

3
1 Claim 55 (original): A server architecture according to claim 52, wherein said UI form
2 definition specifies at least one native UI control stored locally at said client device.